

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050496.D
 Acq On : 9 Aug 2018 19:35
 Operator : MD\SY
 Sample : J4271-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:06:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	720471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1152094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1010734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	410458	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	481990	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	7.59	113	441003	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	10.09	98	1584815	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	
62) 4-Bromofluorobenzene	12.40	95	468350	39.54	ug/l	0.00
Spiked Amount			Recovery	=	79.08%	

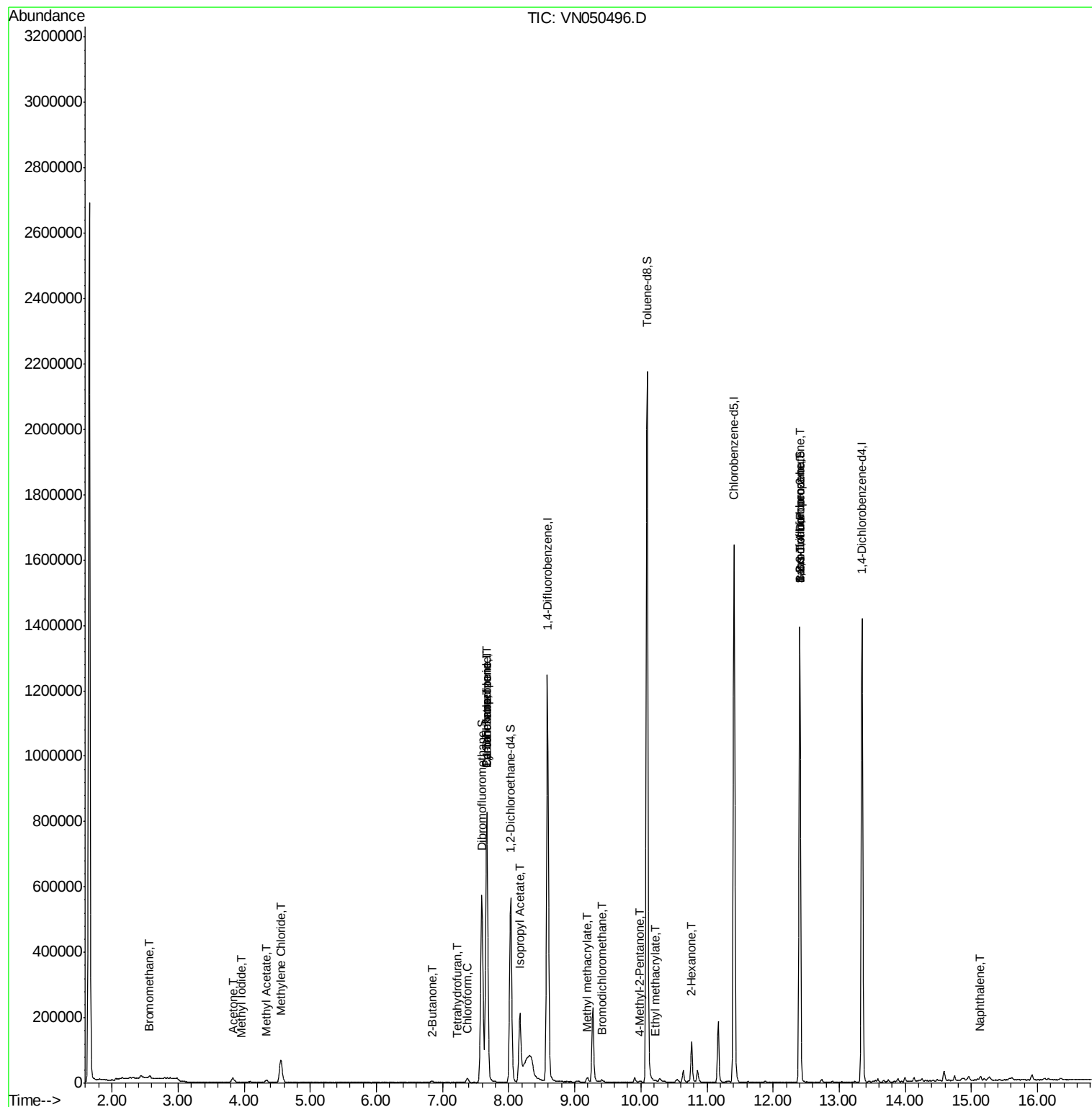
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3155	Below Cal		96
5) Bromomethane	2.57	94	4978	1.16 ug/l	#	76
10) Methyl Iodide	3.95	142	916	0.25 ug/l	#	46
16) Acetone	3.83	43	25098	8.39 ug/l		98
18) Methyl Acetate	4.34	43	12634	1.51 ug/l		96
20) Methylene Chloride	4.55	84	53342	4.67 ug/l		94
25) 2-Butanone	6.85	43	2377	0.50 ug/l		92
29) Tetrahydrofuran	7.22	42	748	0.29 ug/l	#	43
30) Chloroform	7.37	83	14249	0.91 ug/l		99
31) Cyclohexane	7.67	56	12179	0.26 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	48688	3.85 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	63566	4.81 ug/l	#	16
43) Isopropyl Acetate	8.17	43	257523	16.36 ug/l		99
47) Bromodichloromethane	9.41	83	3278	0.25 ug/l	#	77
48) Methyl methacrylate	9.18	41	8765	1.11 ug/l	#	17
51) 4-Methyl-2-Pentanone	9.99	43	2689	0.24 ug/l		91
56) Ethyl methacrylate	10.23	69	2598	1.90 ug/l	#	66
59) 2-Hexanone	10.77	43	17371	2.20 ug/l	#	57
71) Bromoform	12.40	173	3659	0.54 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	221565	29.82 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	221565	104.78 ug/l	#	13
95) Naphthalene	15.14	128	11440	4.15 ug/l	#	94

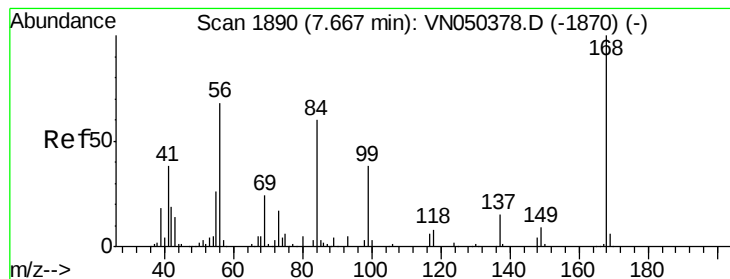
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080918\
Data File : VN050496.D
Acq On : 9 Aug 2018 19:35
Operator : MD\SY
Sample : J4271-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 10 04:06:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

Instrument :

MSVOA_N

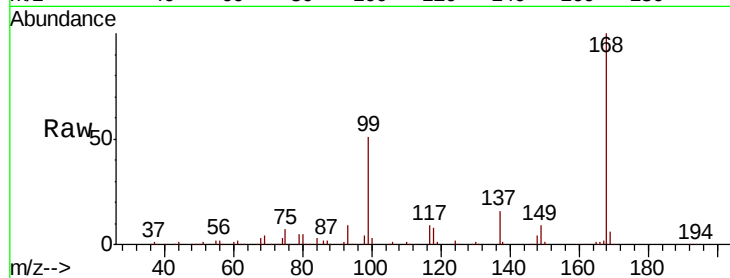
ClientSampleId :

Tot Ion:168 Resp: 720471

Ion Ratio Lower Upper

168 100

99 50.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

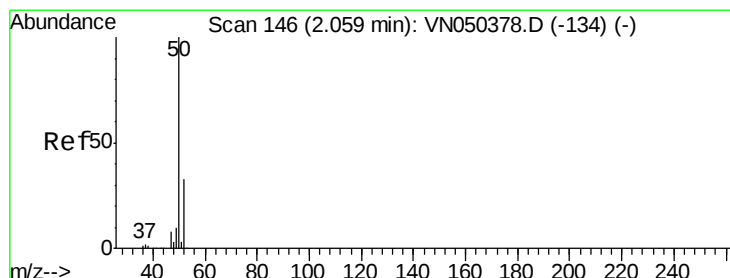
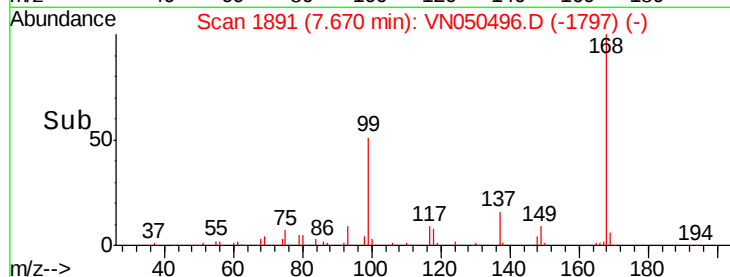
200000

100000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050496.D

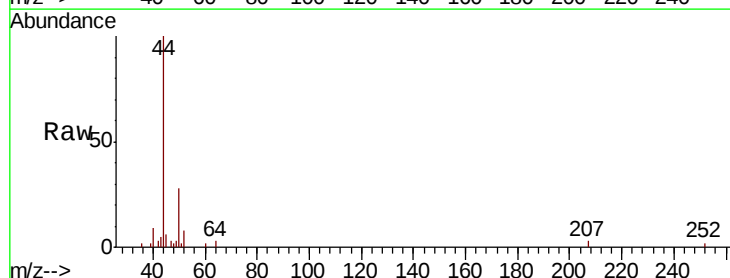
Acq: 9 Aug 2018 19:35

Tgt Ion: 50 Resp: 3155

Ion Ratio Lower Upper

50 100

52 30.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2500

2000

1500

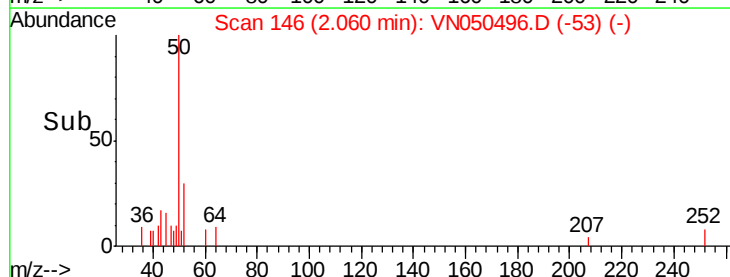
1000

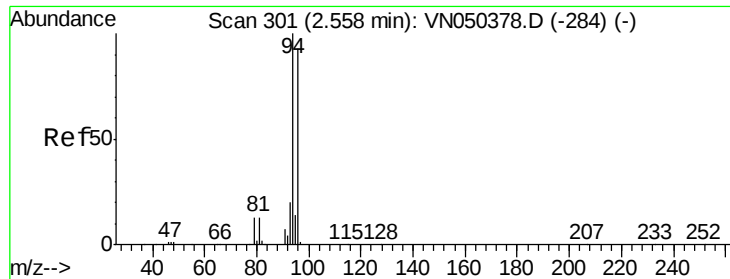
500

0

Time-->

2.00 2.05 2.10





#5

Bromomethane

Concen: 1.16 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

Instrument :

MSVOA_N

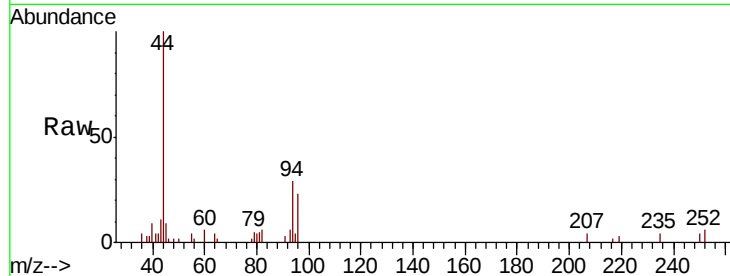
ClientSampled :

Tot Ion: 94 Resp: 4978

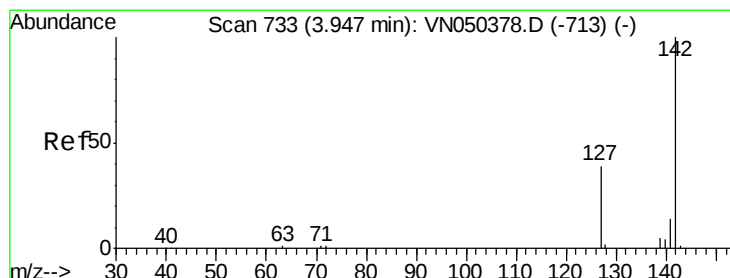
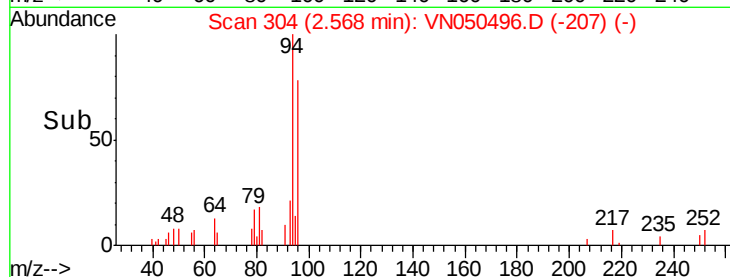
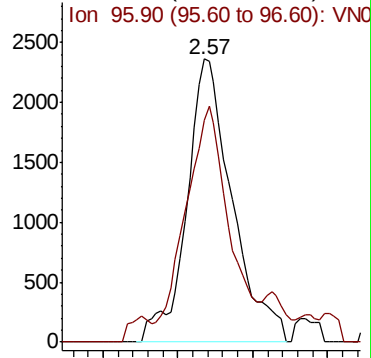
Ion Ratio Lower Upper

94 100

96 70.5 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)



#10

Methyl Iodide

Concen: 0.25 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

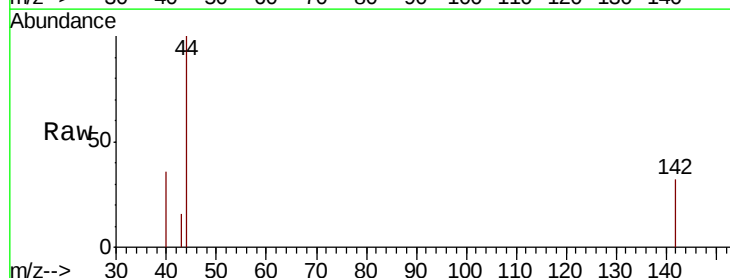
Tgt Ion: 142 Resp: 916

Ion Ratio Lower Upper

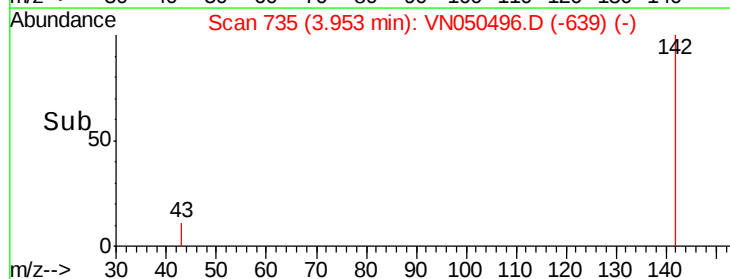
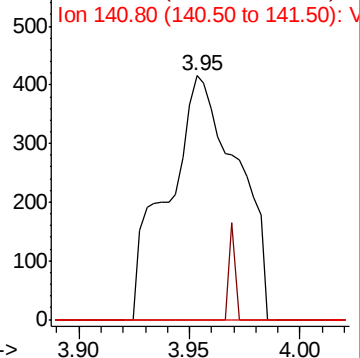
142 100

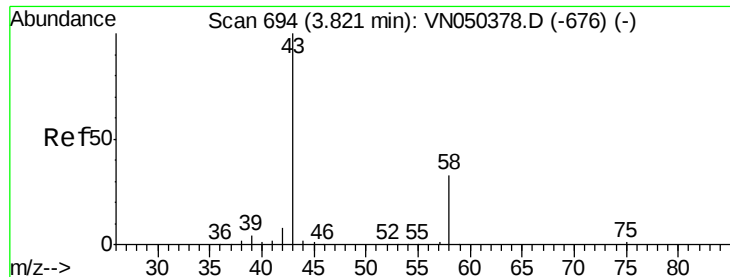
127 3.5 33.4 50.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)





#16

Acetone

Concen: 8.39 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

Instrument :

MSVOA_N

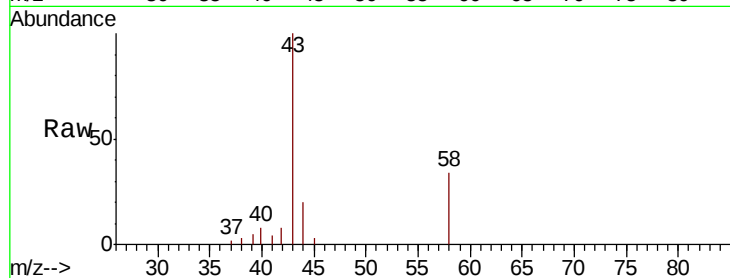
ClientSampleId :

Tot Ion: 43 Resp: 25098

Ion Ratio Lower Upper

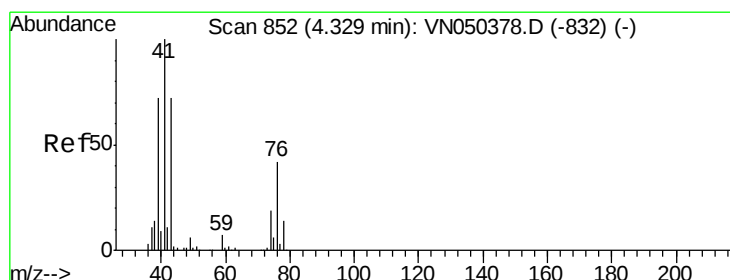
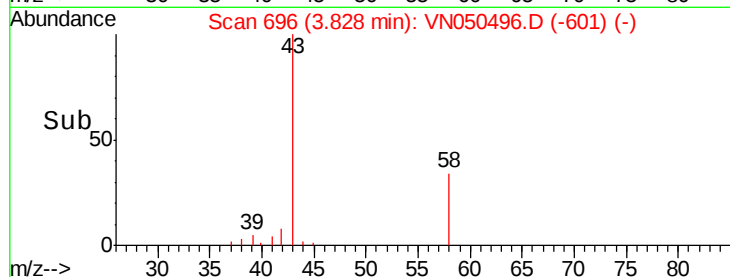
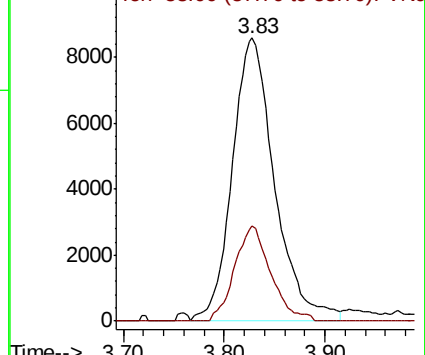
43 100

58 33.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.51 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050496.D

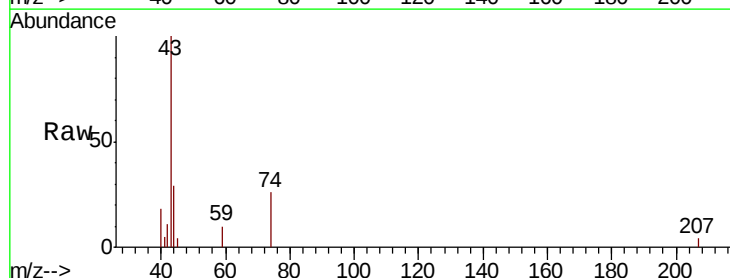
Acq: 9 Aug 2018 19:35

Tgt Ion: 43 Resp: 12634

Ion Ratio Lower Upper

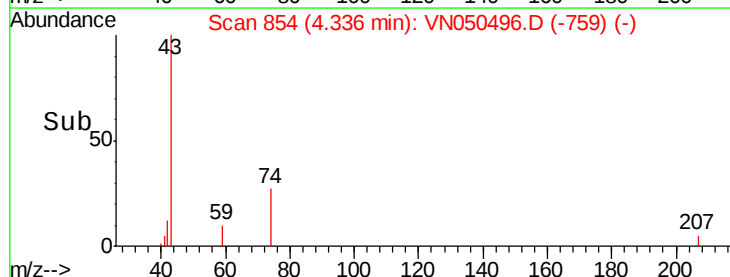
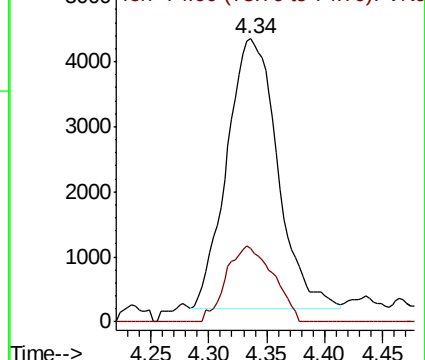
43 100

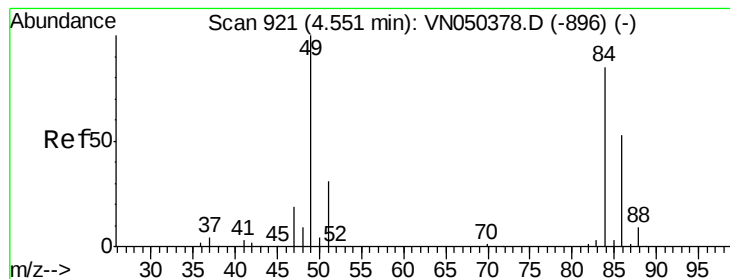
74 26.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 4.67 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 53342

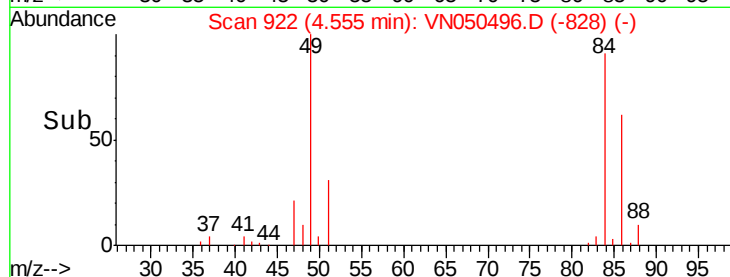
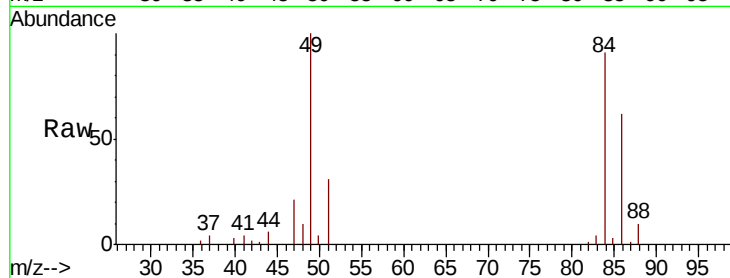
Ion Ratio Lower Upper

84 100

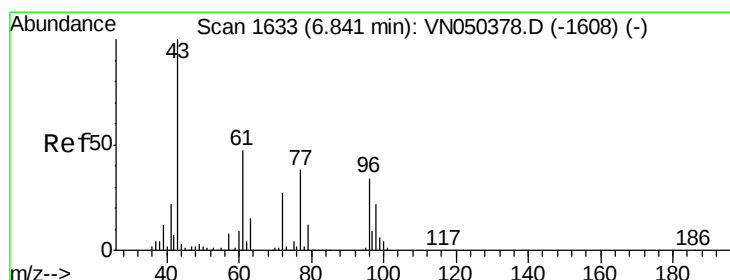
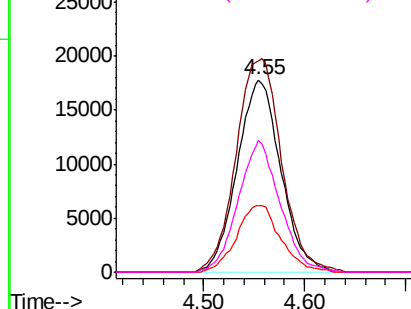
49 110.1 94.8 142.2

51 34.7 28.3 42.5

86 68.3 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC



#25

2-Butanone

Concen: 0.50 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN050496.D

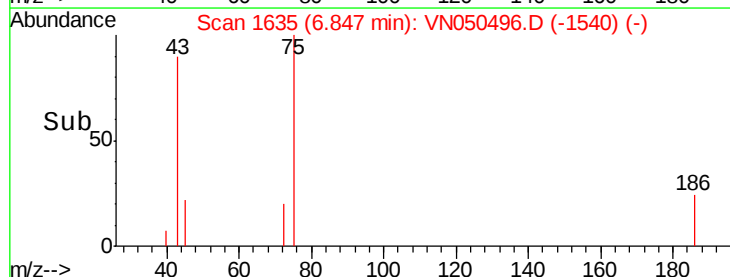
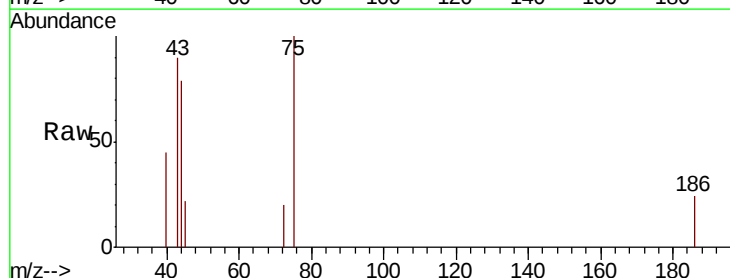
Acq: 9 Aug 2018 19:35

Tgt Ion: 43 Resp: 2377

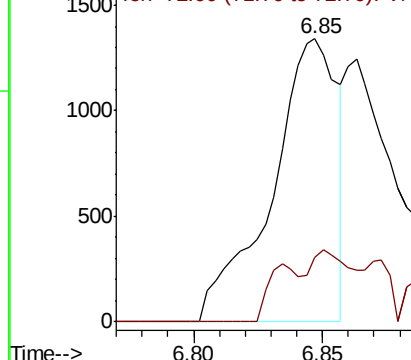
Ion Ratio Lower Upper

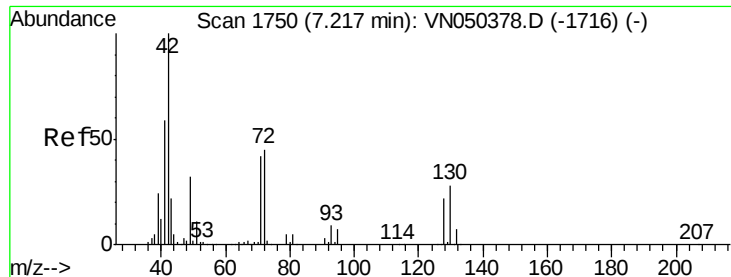
43 100

72 22.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC

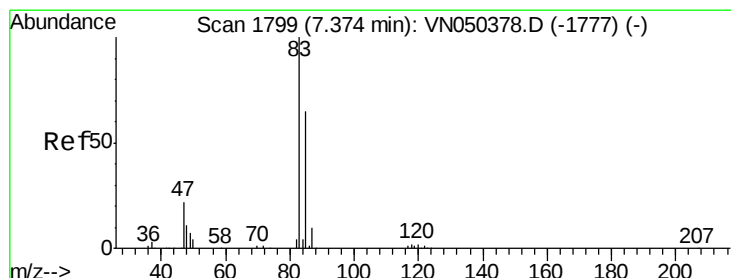
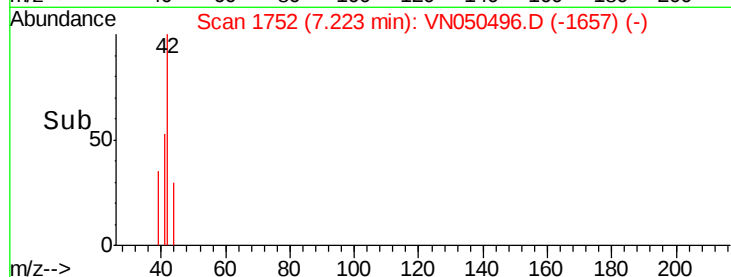
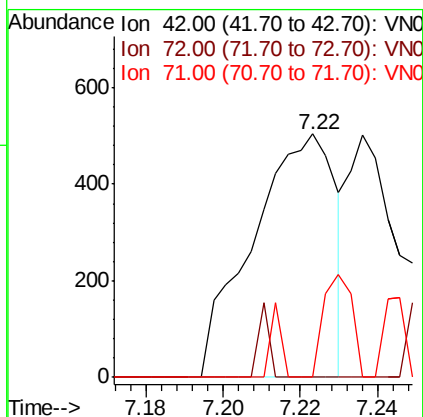
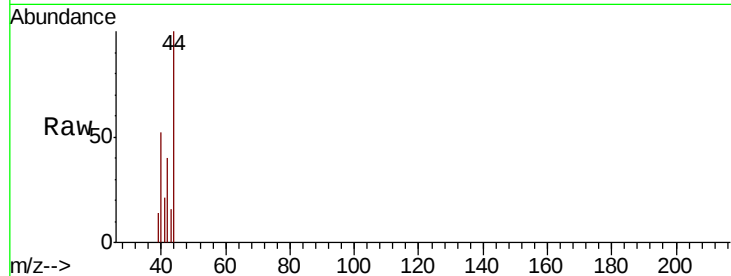




#29
Tetrahydrofuran
Concen: 0.29 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN050496.D
Acq: 9 Aug 2018 19:35

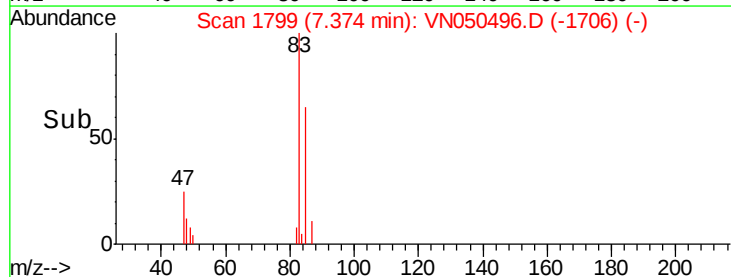
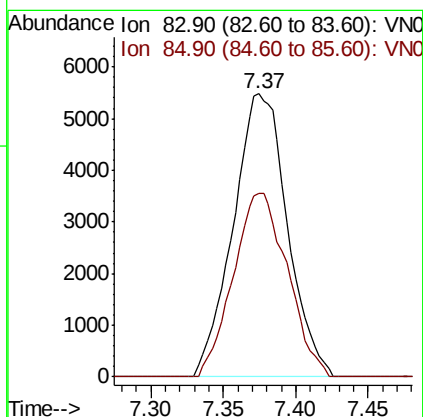
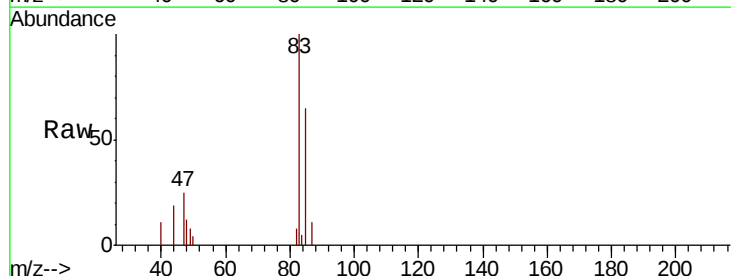
Instrument :
MSVOA_N
ClientSampleId :

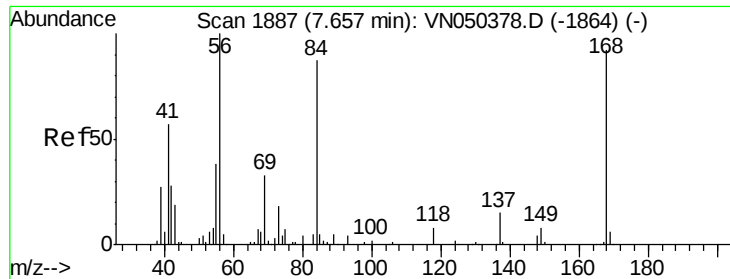
Tot Ion: 42 Resp: 748
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 14.3 33.7 50.5#



#30
Chloroform
Concen: 0.91 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050496.D
Acq: 9 Aug 2018 19:35

Tgt Ion: 83 Resp: 14249
Ion Ratio Lower Upper
83 100
85 64.9 52.5 78.7

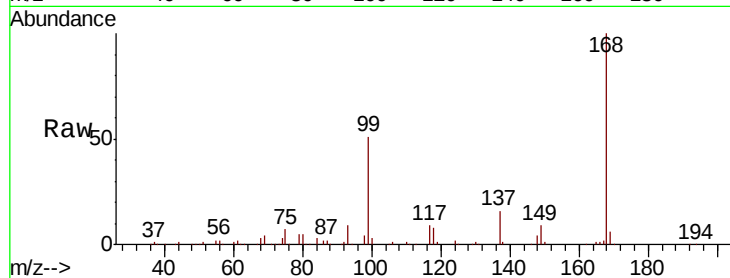




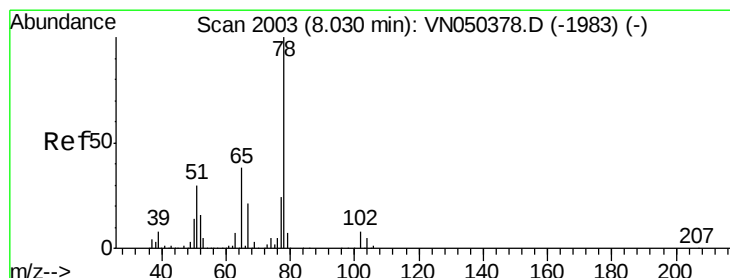
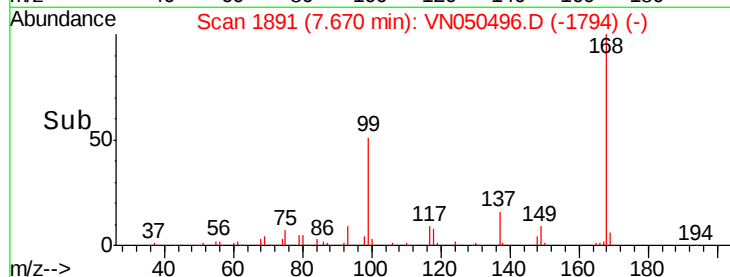
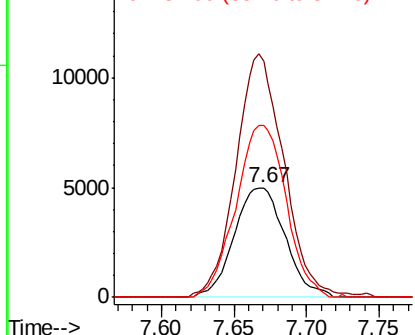
#31
Cyclohexane
Concen: 0.26 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050496.D
Acq: 9 Aug 2018 19:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 12179
Ion Ratio Lower Upper
56 100
69 216.0 26.2 39.4#
84 157.1 67.4 101.0#

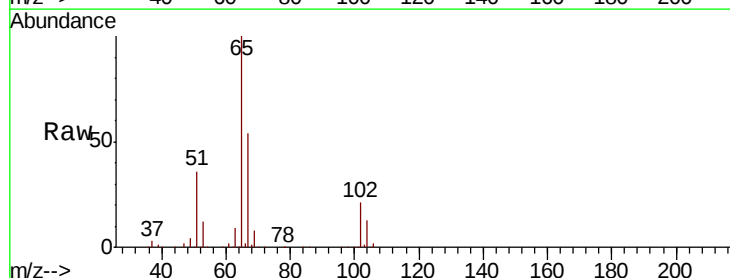


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

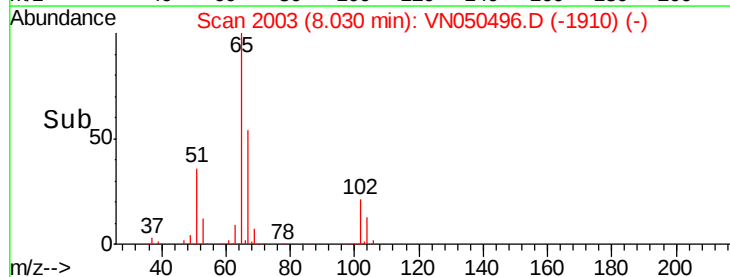
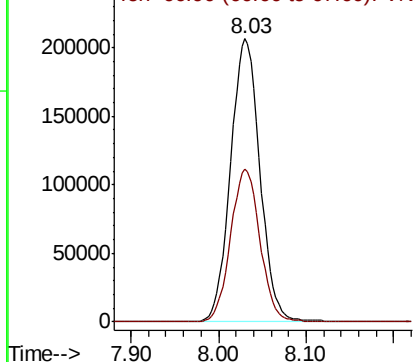


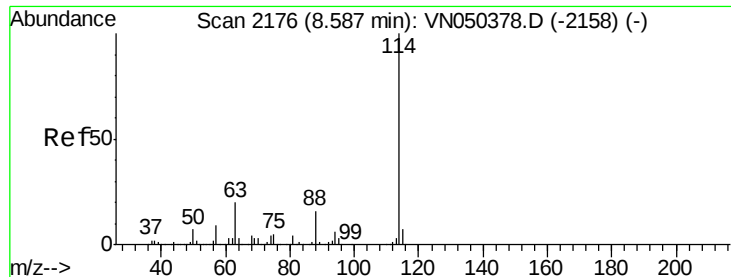
#33
1,2-Dichloroethane-d4
Concen: 50.07 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050496.D
Acq: 9 Aug 2018 19:35

Tgt Ion: 65 Resp: 481990
Ion Ratio Lower Upper
65 100
67 54.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



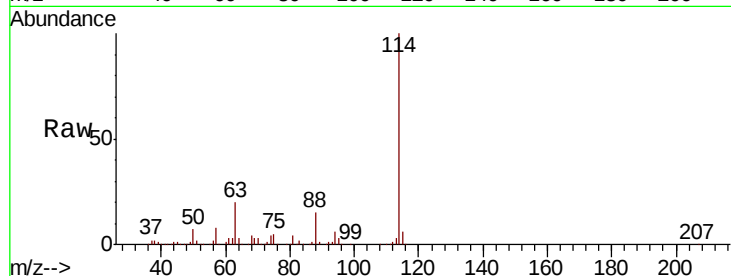


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050496.D
 Acq: 9 Aug 2018 19:35

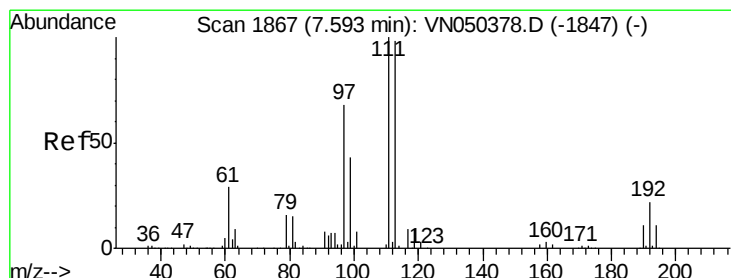
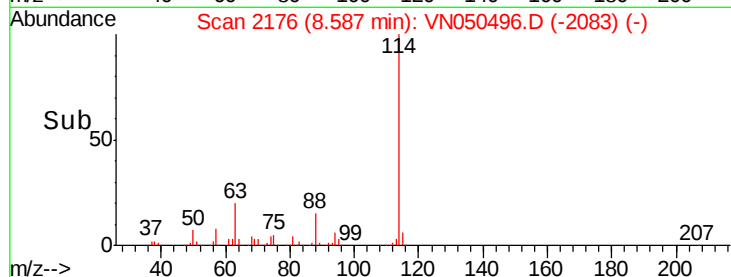
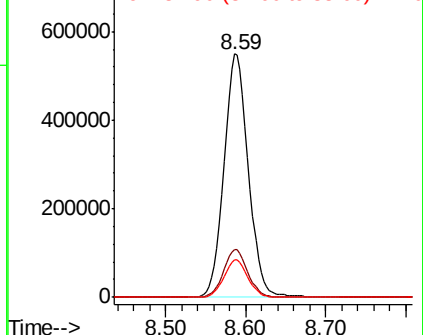
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1152094

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.4	0.0	31.2



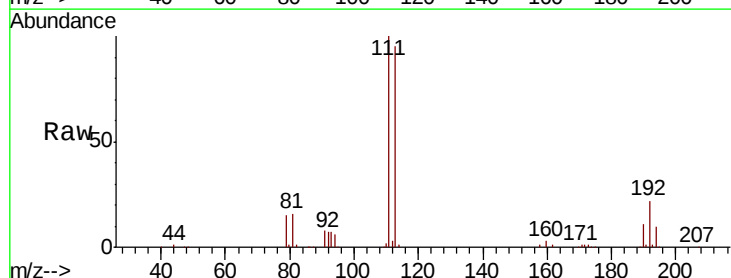
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



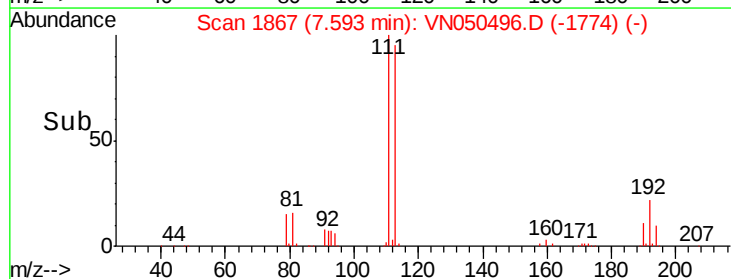
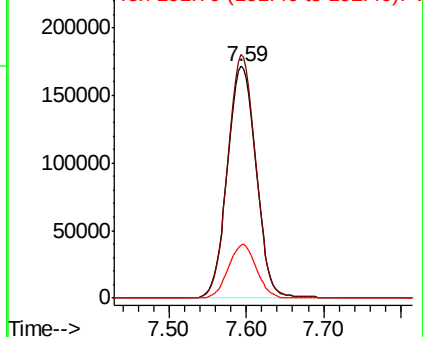
#35
 Dibromofluoromethane
 Concen: 47.71 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050496.D
 Acq: 9 Aug 2018 19:35

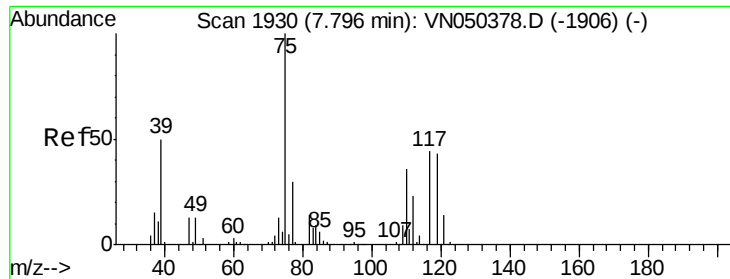
Tgt Ion:113 Resp: 441003

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.7	121.1
192	22.6	17.8	26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

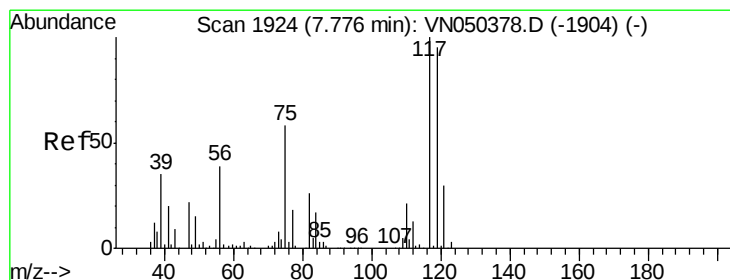
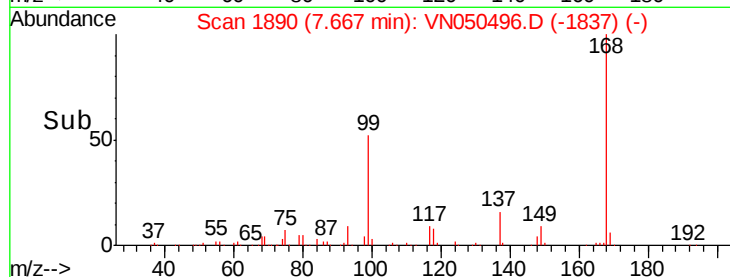
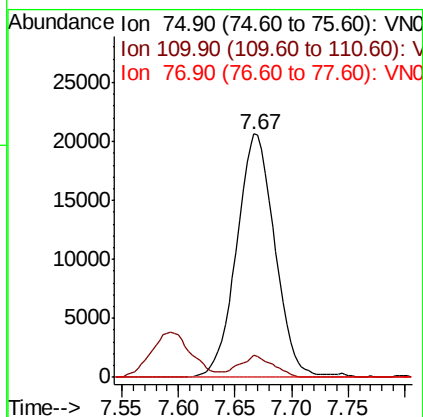
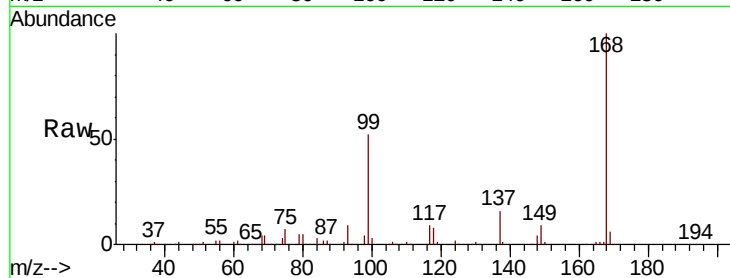




#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050496.D
 Acq: 9 Aug 2018 19:35

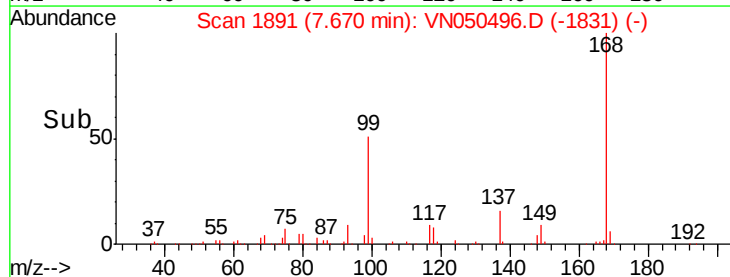
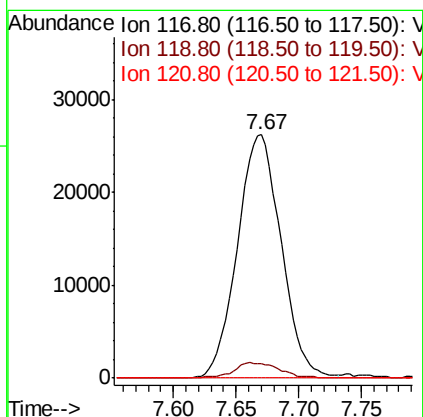
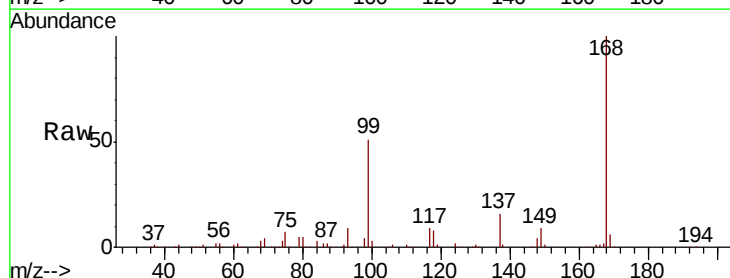
Instrument :
 MSVOA_N
 ClientSampled :

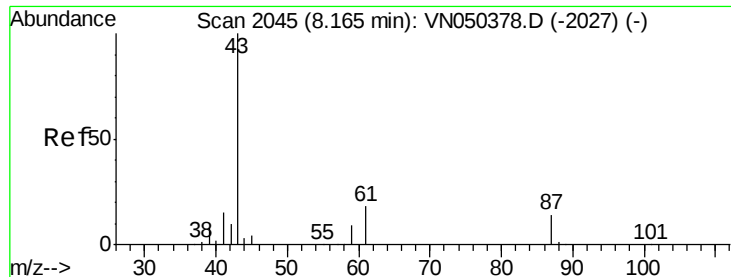
Tot Ion	75	Resp	48688
Ion Ratio	100	Lower	Upper
75	100		
110	8.1	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.81 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050496.D
 Acq: 9 Aug 2018 19:35

Tgt Ion	117	Resp	63566
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.8	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 16.36 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

Instrument :
MSVOA_N
ClientSampled :

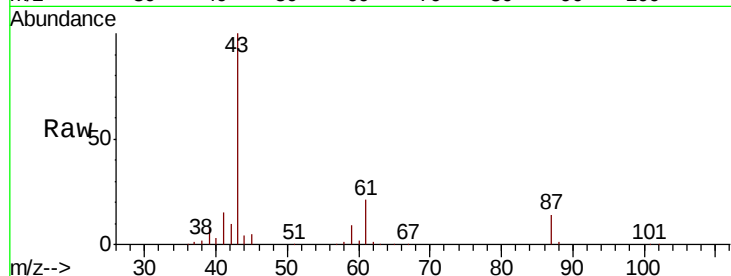
Tot Ion: 43 Resp: 257523

Ion Ratio Lower Upper

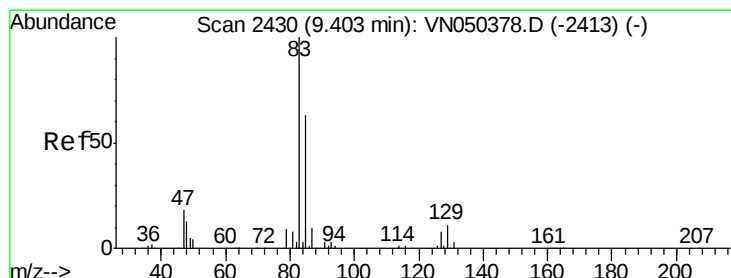
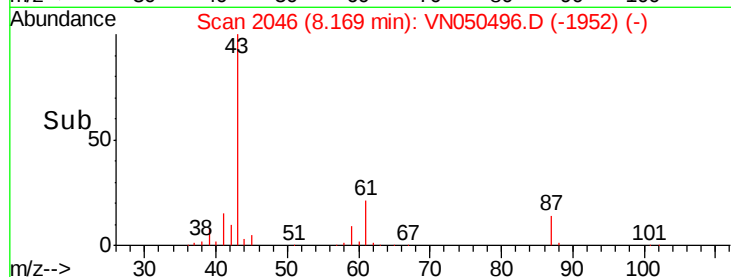
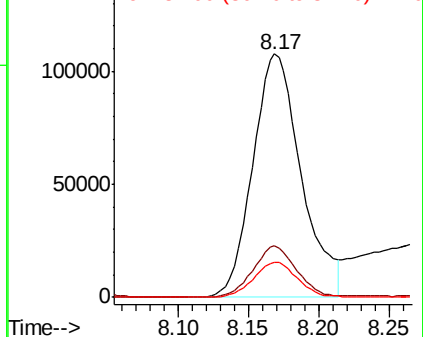
43 100

61 19.2 15.8 23.6

87 13.1 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#47

Bromodichloromethane

Concen: 0.25 ug/l

RT: 9.41 min Scan# 2432

Delta R.T. 0.01 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

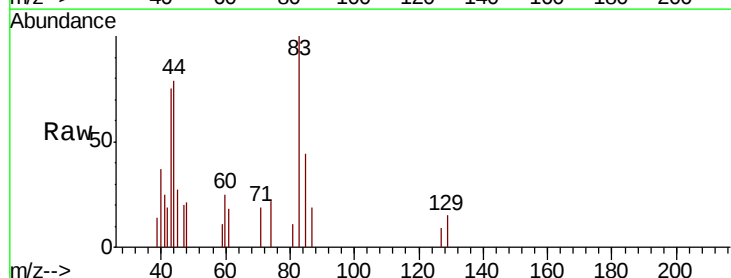
Tgt Ion: 83 Resp: 3278

Ion Ratio Lower Upper

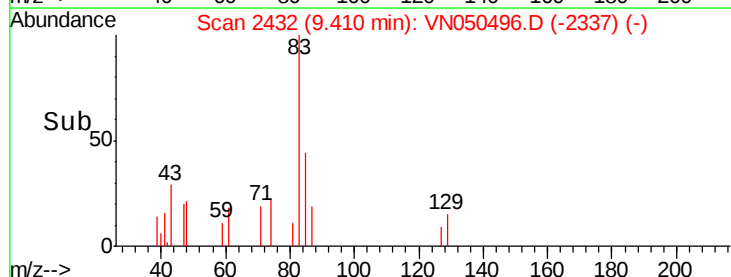
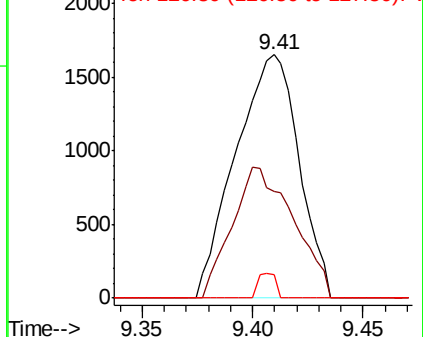
83 100

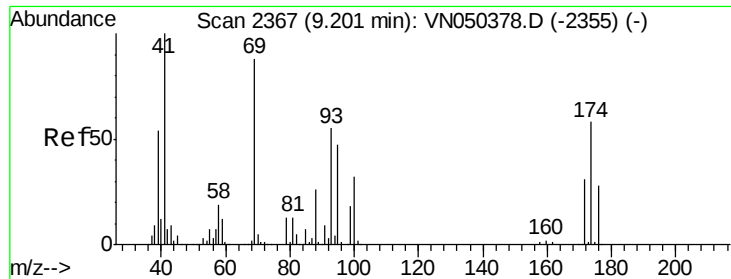
85 43.8 51.1 76.7#

127 9.5 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

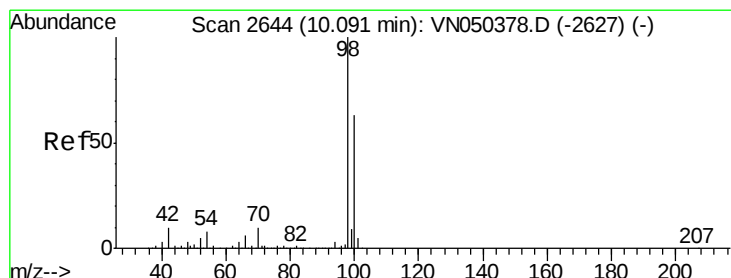
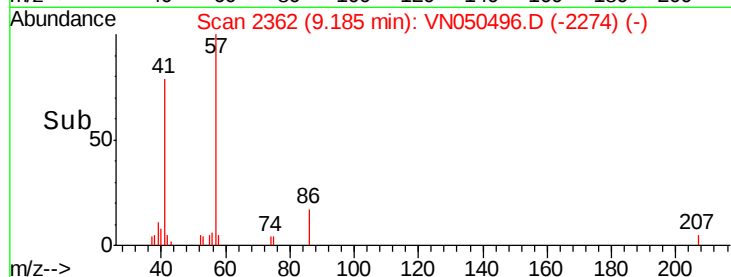
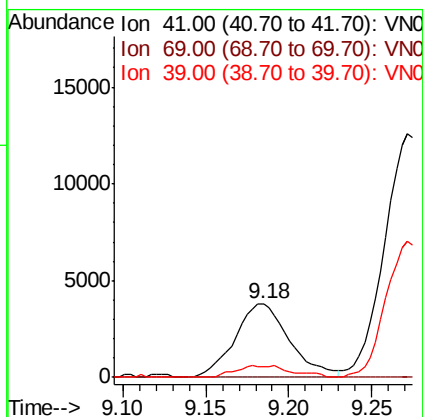
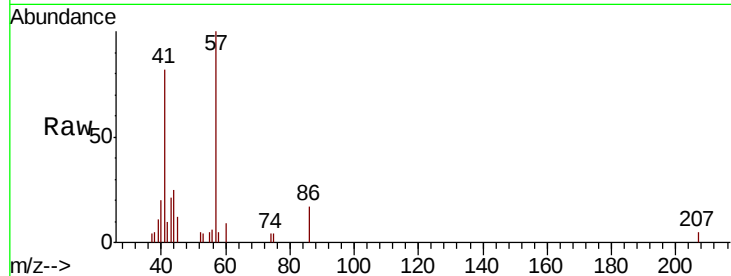




#48
Methyl methacrylate
Concen: 1.11 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050496.D
Acq: 9 Aug 2018 19:35

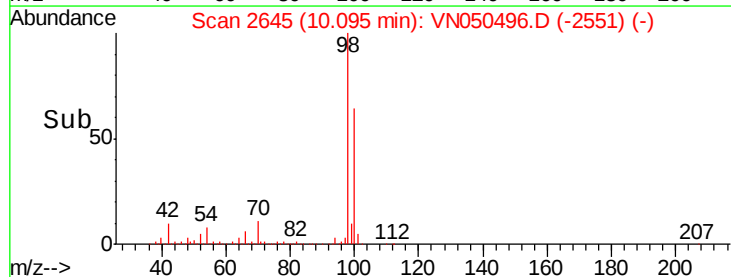
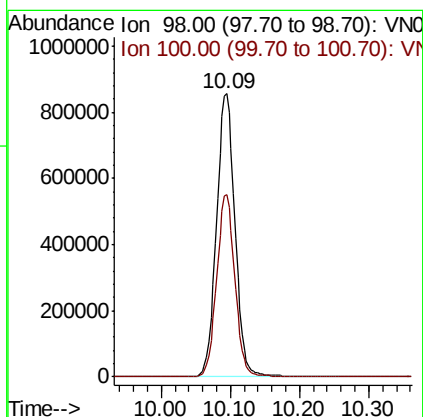
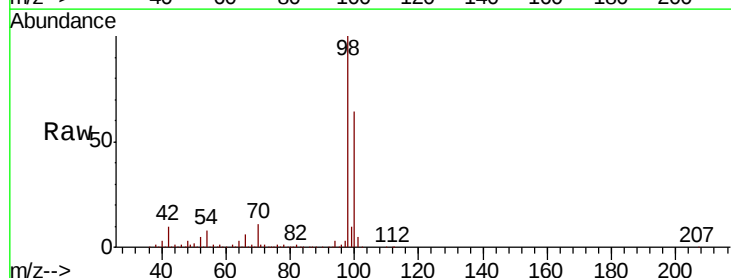
Instrument :
MSVOA_N
ClientSampleId :

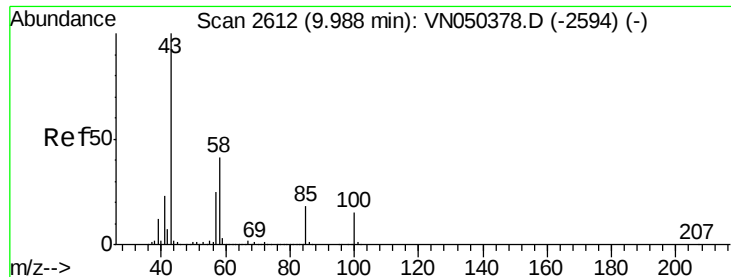
Tot Ion: 41 Resp: 8765
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 8.3 43.9 65.9#



#50
Toluene-d8
Concen: 45.60 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050496.D
Acq: 9 Aug 2018 19:35

Tgt Ion: 98 Resp: 1584815
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1

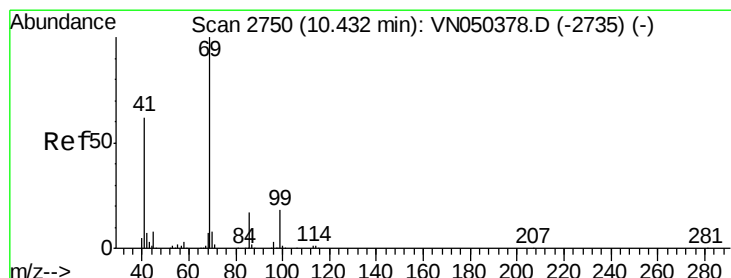
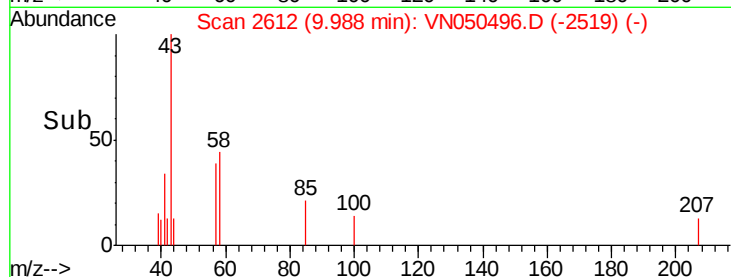
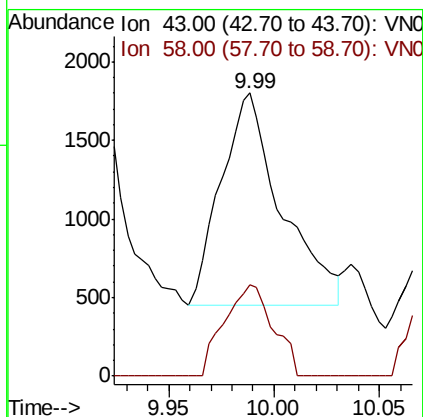
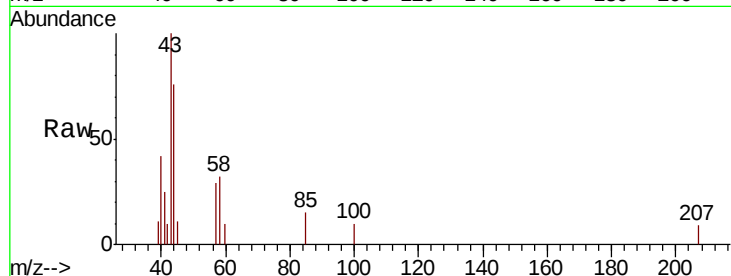




#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050496.D
Acq: 9 Aug 2018 19:35

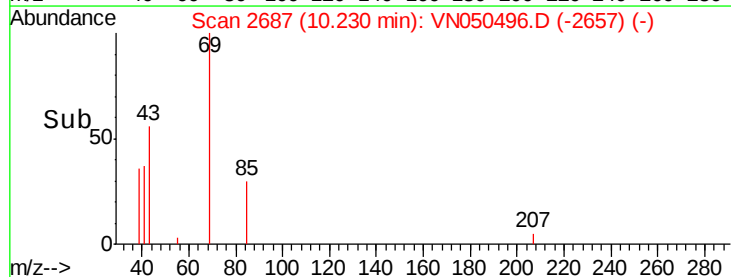
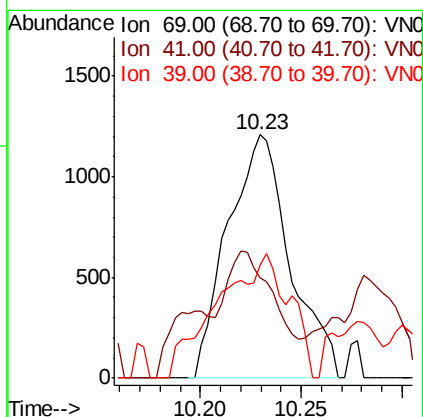
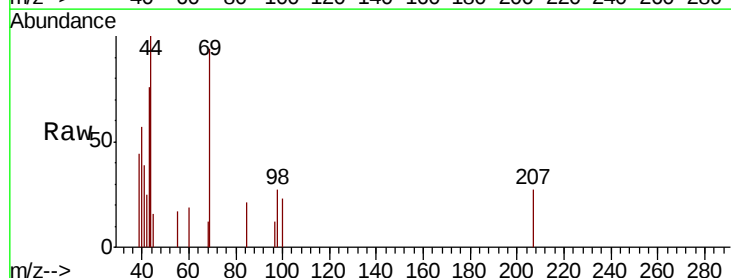
Instrument :
MSVOA_N
ClientSampled :

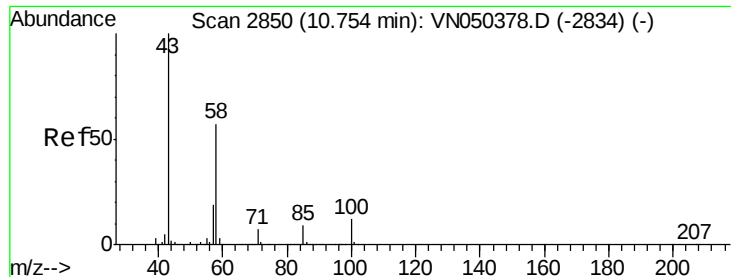
Tot Ion: 43 Resp: 2689
Ion Ratio Lower Upper
43 100
58 34.6 31.9 47.9



#56
Ethyl methacrylate
Concen: 1.90 ug/l
RT: 10.23 min Scan# 2687
Delta R.T. -0.20 min
Lab File: VN050496.D
Acq: 9 Aug 2018 19:35

Tgt Ion: 69 Resp: 2598
Ion Ratio Lower Upper
69 100
41 42.1 51.0 76.4#
39 59.1 26.6 40.0#





#59

2-Hexanone

Concen: 2.20 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

Instrument :

MSVOA_N

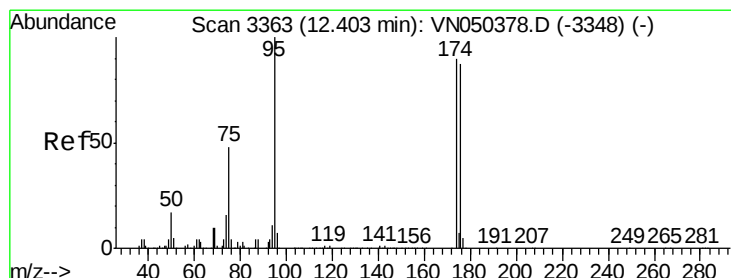
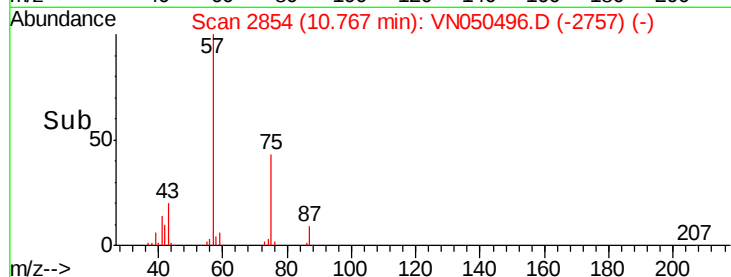
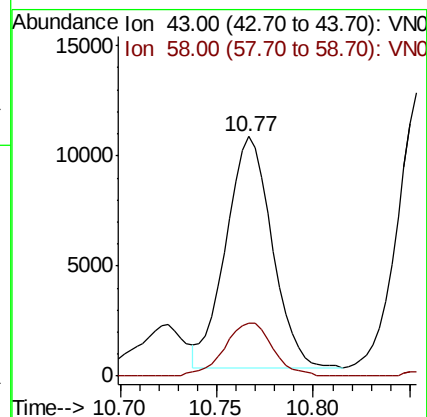
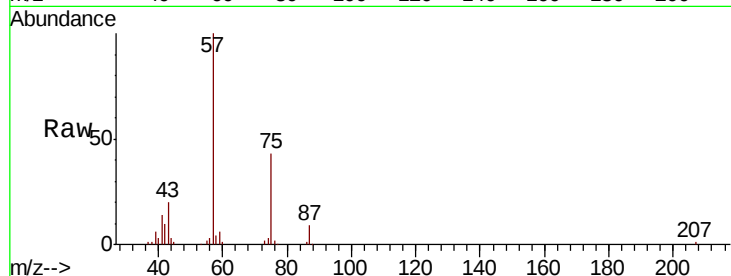
ClientSampled :

Tot Ion: 43 Resp: 17371

Ion Ratio Lower Upper

43 100

58 24.3 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 39.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

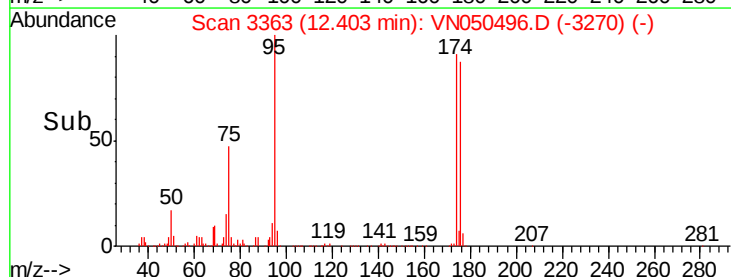
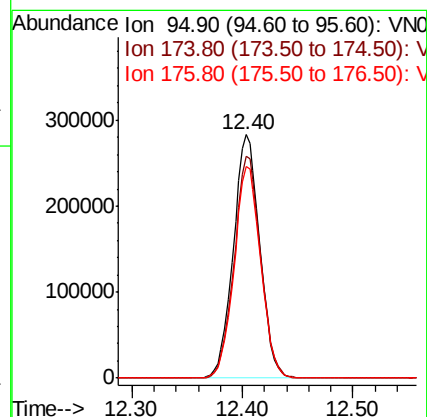
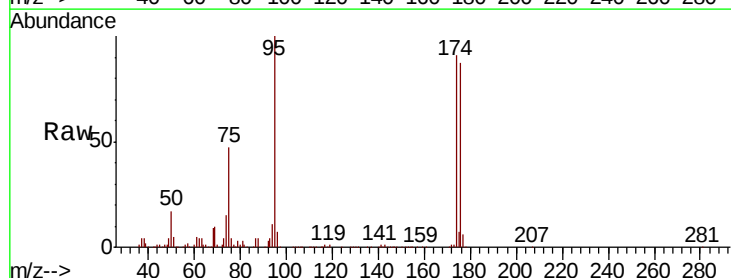
Tgt Ion: 95 Resp: 468350

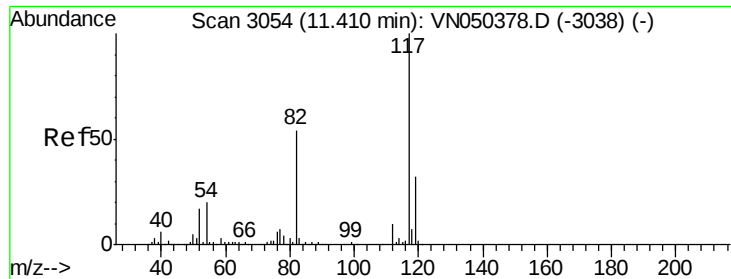
Ion Ratio Lower Upper

95 100

174 91.8 0.0 178.2

176 87.6 0.0 173.4

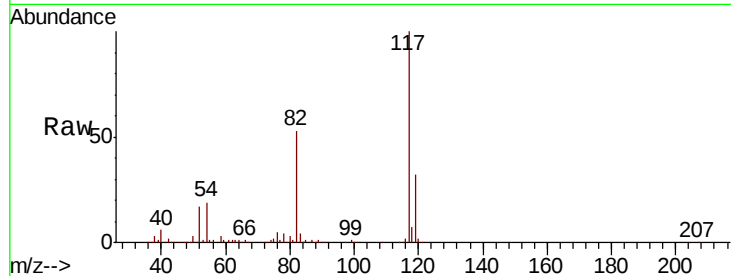




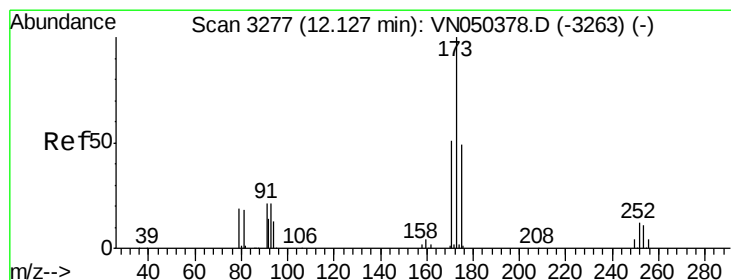
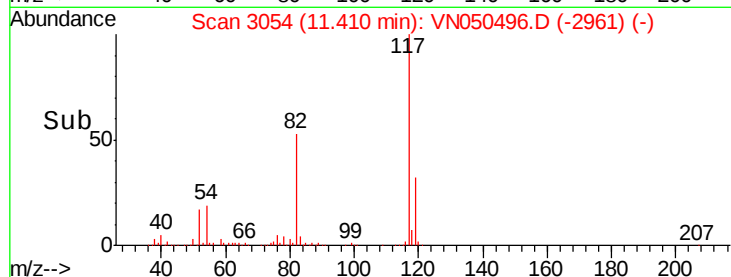
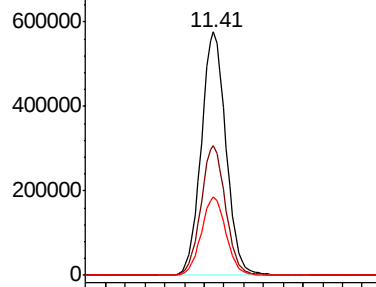
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050496.D
Acq: 9 Aug 2018 19:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1010734
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 32.0 26.1 39.1

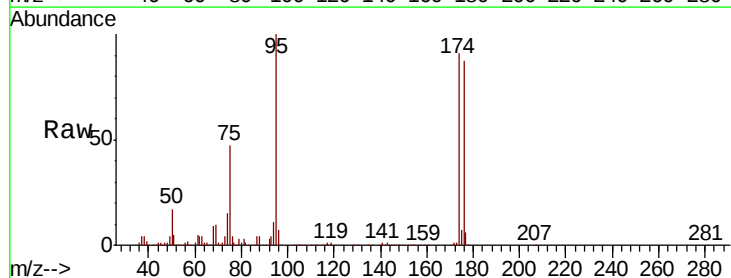


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

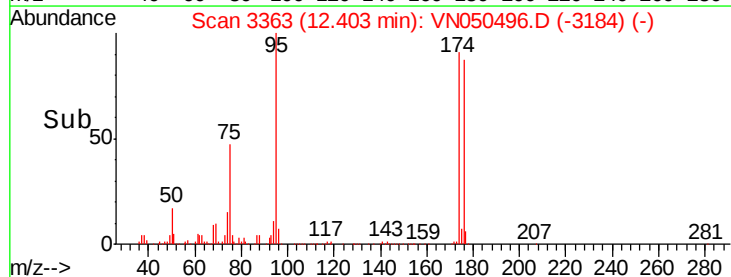
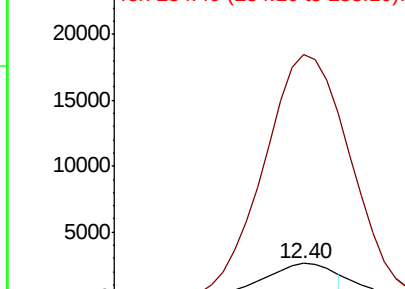


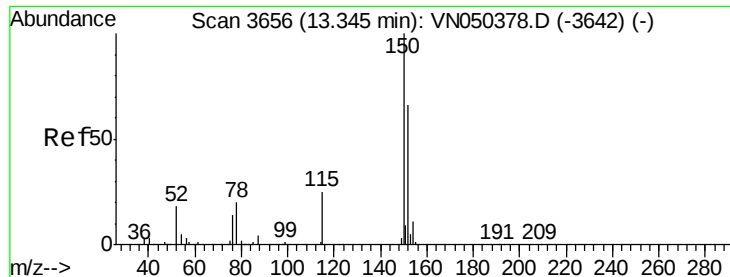
#71
Bromoform
Concen: 0.54 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050496.D
Acq: 9 Aug 2018 19:35

Tgt Ion:173 Resp: 3659
Ion Ratio Lower Upper
173 100
175 698.2 24.1 72.2#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampled :

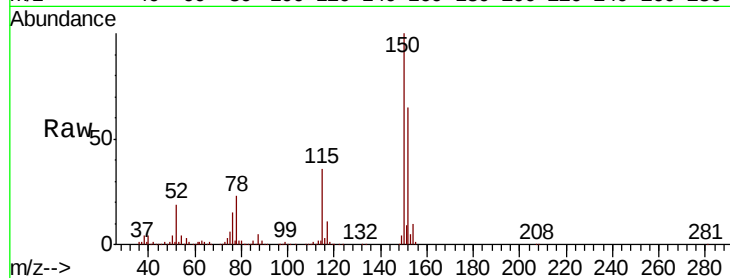
Tot Ion:152 Resp: 410458

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.3

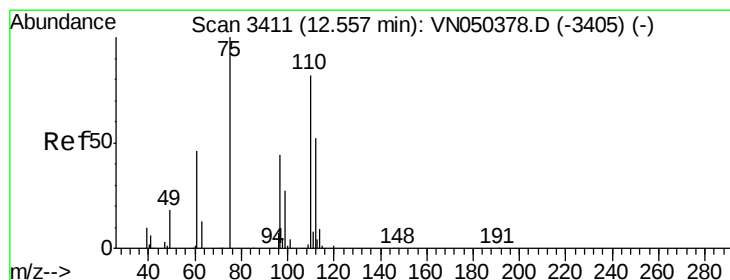
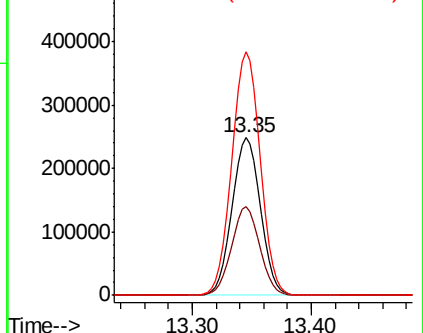
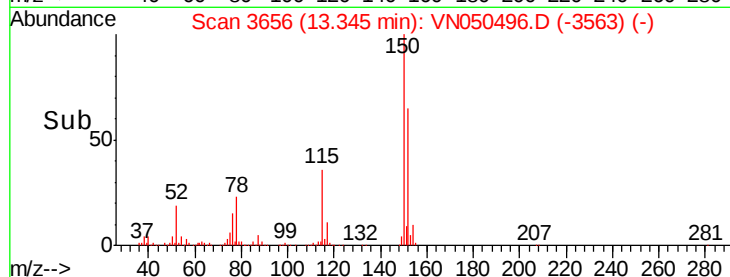
150 154.9 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 29.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050496.D

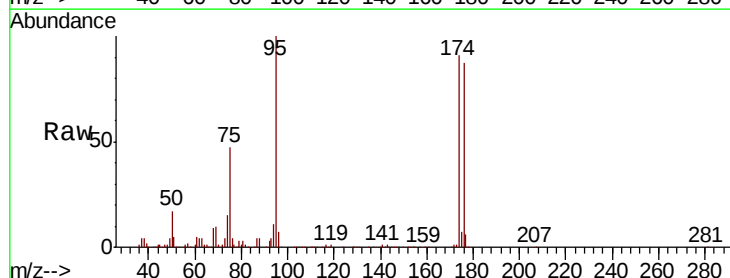
Acq: 9 Aug 2018 19:35

Tgt Ion: 75 Resp: 221565

Ion Ratio Lower Upper

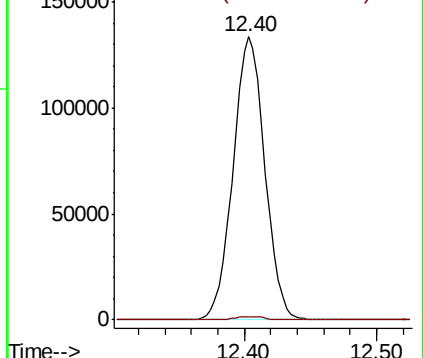
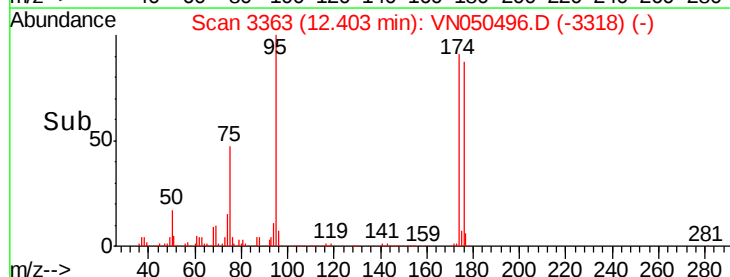
75 100

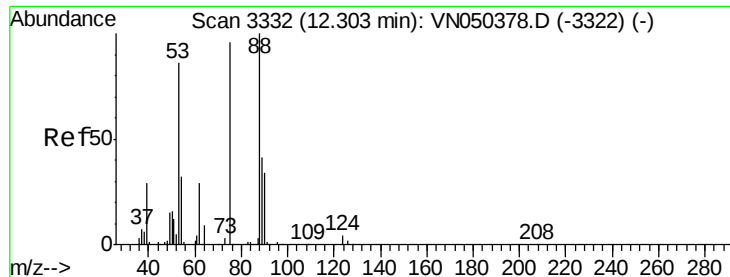
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 104.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampleId :

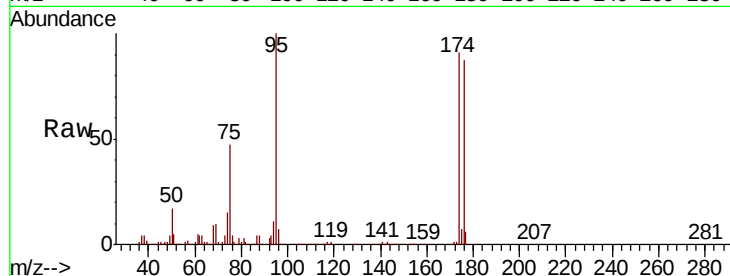
Tot Ion: 75 Resp: 221565

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

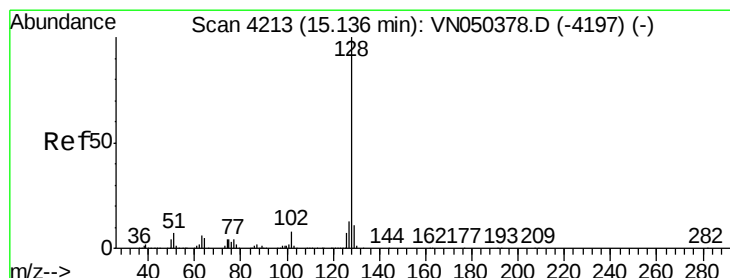
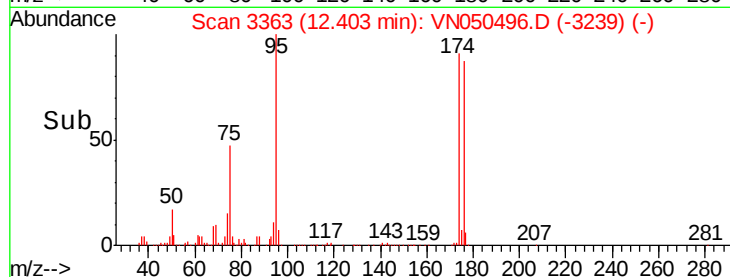
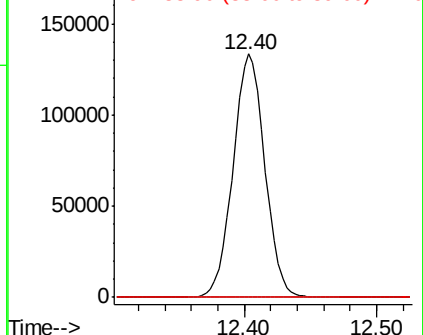
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 4.15 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050496.D

Acq: 9 Aug 2018 19:35

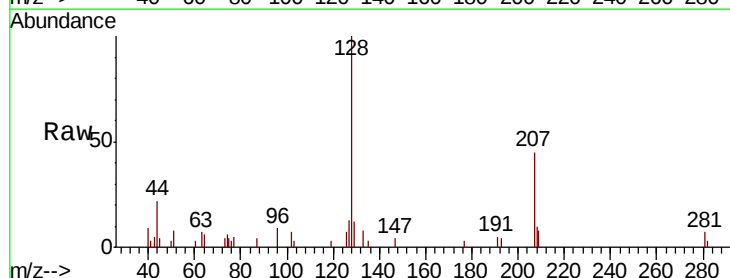
Tgt Ion: 128 Resp: 11440

Ion Ratio Lower Upper

128 100

127 8.9 10.4 15.6#

129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

